

Broadband Horn Antenna, Dual Polarized 93 GHz to 95 GHz 22 dBi Gain, WR-12 Waveguide Input

Specialty Waveguide Antennas Technical Data Sheet

PEWAN1174

Features

- Ultra Broadband 93 GHz to 95 GHz
- Dual Polarized
- 22 dBi Nominal Gain
- Dual WR-12 UG-387/U Waveguide Interfaces
- Mounting Bracket Included
- Powder Coated Aluminum

Applications

- Antenna Measurements
- Laboratory Use
- Microwave Testing
- Radome Testing
- EMC measurement
- Satellite Antenna Testing
- Radar Cross Section

Description

The PEWAN1174 dual polarized broadband horn antenna (also known as a waveguide horn antenna) from Pasternack is part of our comprehensive selection of broadband antennas. This waveguide horn features dual WR-12 UG-387/U waveguide interfaces and operates from 93 GHz to 95 GHz.

Our PEWAN1174 dual polarized broadband horn antenna has a nominal gain of 22 dBi with a typical input VSWR of 1.3:1. Pasternack's broadband horns are available with gain values from 6 to 21 dBi with varying frequency ranges to suit the application needs.

Waveguide horn antennas, such as the PEWAN1174 are used in a wide variety of applications due to the high-power handling capability, low loss, high directivity, and near constant electrical performance. Our broadband antennas are part of over 40,000 RF, microwave, and millimeter wave components from Pasternack available worldwide and ship same day.

Configuration

Pattern	Directional
Polarization	Dual Linear
Antenna Design Type	Broadband Gain Horn

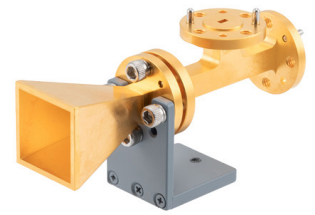
Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	93		95	GHz
Nominal Gain		22		dBi
VSWR		1.3:1		

Mechanical Specifications

Size	
Length	2.559055 in [65 mm]
Width	0.751969 in [19.1 mm]
Height	0.751969 in [19.1 mm]
Weight	0.07 lbs [31.75 g]
Body Material and Plating	Aluminum

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Broadband Horn Antenna, Dual Polarized 93 GHz to 95 GHz 22 dBi Gain, WR-12 Waveguide Input PEWAN1174](#)



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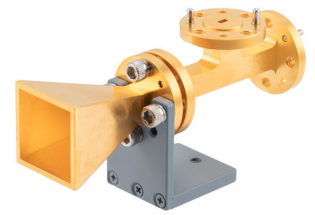
Environmental Specifications

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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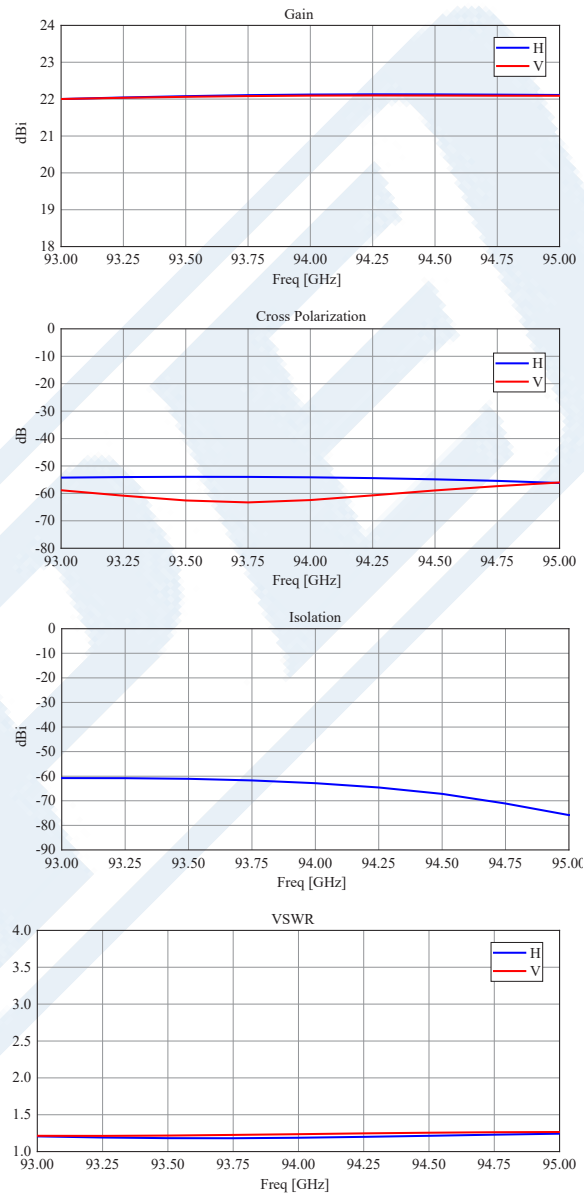


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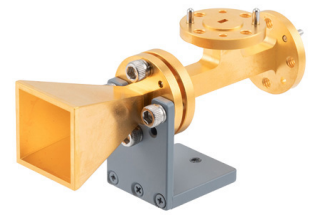
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Typical Performance Data



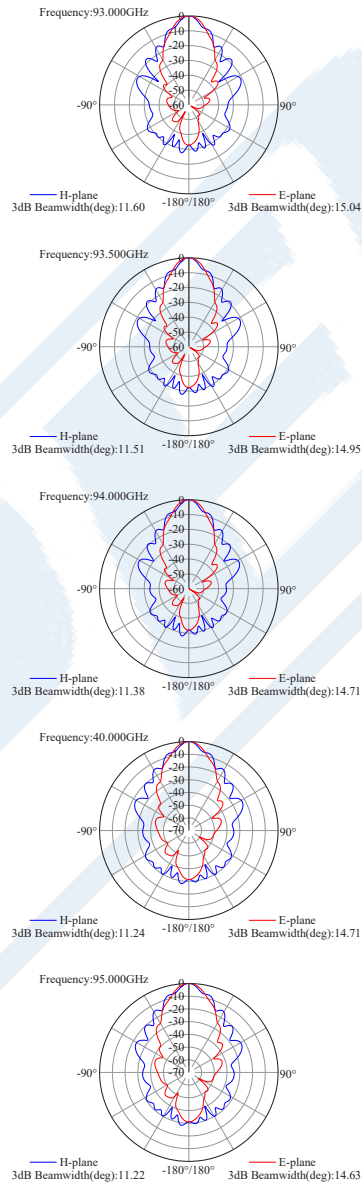
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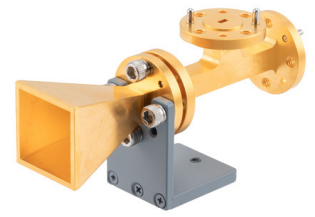
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Broadband Horn Antenna, Dual Polarized 93 GHz to 95 GHz 22 dBi Gain, WR-12 Waveguide Input from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Broadband Horn Antenna, Dual Polarized 93 GHz to 95 GHz 22 dBi Gain, WR-12 Waveguide Input PEWAN1174](https://www.pasternack.com/waveguide-horn-antenna-95-ghz-22-dbi-pewan1174-p.aspx)

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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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	25 GHz, 30 W, 10 W	25 GHz, 30 W, 10 W		



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